

SiTsafe is an innovative, lightweight, and strong multi-functional (3-1) inverter protective system for the transportation and lifting of the SICS inverter modules in the offshore and onshore wind industry.

## BENEFITS



SiTsafe's innovative, lightweight casing will help you protect your critical components, and reduce warranty claims on your power modules.

- Complete cushioned protection inside and out for your wind turbine's critical components. The SiTsafe's lightweight casing will help you avoid damage to the wind turbines, whilst it is strong enough to provide maximum protection for the critical components during transportation.



The SiTsafe's smart features will help your O&M team improve their overall operational efficiency, and reduce manual handling by 90%.

- Built-in, and strategically placed, handles and runners, so four technicians can easily and safely manoeuvre the components around the wind farm site.
- Guide loops for your lifting slings and to help with the lifting.



The SiTsafe is a reusable and sustainable inverter protective system that will help your business reduce costs and save time.

- Multiple built-in document pockets mean you can identify components whichever way they are stacked.
- The SiTsafe is fully tested and approved for use in the all weather conditions.

## SPECIFIC USES

The SiTsafe inverter protective system is ideal for use in all weather conditions, onshore and offshore. Specifically:

- Transporting SICS inverter modules.
- Installing of wind turbines offshore and onshore, where safety during lifting and handling is a major area of concern
- Moving SICS modules around the site, to the towers, to the dockside.
- Hoisting SICS modules to the top and base of the wind turbines.

## FLEXIBLE & LOGICAL LOGISTICS

We offer a flexible rollout solution for our customers.

- 360° transportation cycle from inverter factory to site and back to the factory.
- 180° transportation cycle from site to site storage to the wind turbines and back to site.



The SiTsafe's smart features, designed in collaboration with our customers, are fully tested and manufactured in the UK.

## KEY FEATURES

- Soft case & unique cushioned system
- Strategically placed handles for ease of lifting
- Runners on two faces
- Weatherproof
- Guide loops



**Quality product designed & manufactured in Great Britain**



**Water-repellant - tested for use in all weather conditions**



## TESTING AND STANDARDS TABLE

The SiTsafe specification and design have been manufactured to meet and exceed the standards set out below. Our SiTsafe system is fully compliant with the British and International Standards as follows:

- BS EN ISO 2234:2002 ISO 2234:2000 Packaging. Complete, filled transport packages and unit loads. Stacking tests using a static load
- BS EN ISO 2244:2002 ISO 2244:2000 Packaging. Complete, filled transport packages and unit loads. Horizontal impact tests
- BS EN ISO 2247:2002 ISO 2247:2000 Packaging. Complete, filled transport packages and unit loads. Vibration tests at fixed low frequency
- BS EN 22248:1993 ISO 2248:1985 Complete, filled transport packages. Method for determination of resistance to vertical impact by dropping
- BS EN 50178:1998 (IEC 62103:2003) Electronic equipment for use in power installations. General requirements
- BS EN 60068-2-6:2008 IEC 60068-2-6:2007 Environmental testing. Tests. TestFc. Vibration (sinusoidal)
- BS EN 60068-2-14:2000 IEC 60068-2-14:1984 Environmental testing. Test methods. Test N. Change of temperature range
- BS EN 60146-1-1:1993 IEC 60146-1-1:1991 Semiconductor convertors. General requirements and line commutated convertors - Part 1-1: Specifications of basic requirements
- BS EN 60721-3-1:1997 IEC 60721-3-1:1997 Classification of environmental conditions - Part 3: Classification of groups of environmental parameters and their severities – Section 1: Storage
- BS EN 60721-3-2:1997 IEC 60721-3-2:1997 Classification of environmental conditions - Part 3: Classification of groups of environmental parameters and their severities – Section 2: Transportation
- BS 543: 2004 Severe contract use Performance Grade A
- ISO 4920 Water repellent
- IEC 61800 temperature, humidity, vibration and drop tests

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